

* * * * * STN Columbus * * * * *
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DICTIONARY FILE UPDATES: 9 NOV 95 HIGHEST RN 169735-60-8

TSCA INFORMATION NOW CURRENT THROUGH JUNE 1995

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

=> s "guanosine-5'-monophosphate"/CN

L1 0 "GUANOSINE-5'-MONOPHOSPHATE"/CN

=> s "guanosine 5'-monophosphate"'CN

MISMATCHED QUOTE 'PHOSPHATE"'CN'

Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> s guanosine and monophosphate/CN

25582 GUANOSINE

0 MONOPHOSPHATE/CN

L2 0 GUANOSINE AND MONOPHOSPHATE/CN

=> s C11H16N5O6P/MF

L3 37 C11H16N5O6P/MF

=> d L3 1-37 cn

L3 ANSWER 1 OF 37 REGISTRY COPYRIGHT 1995 ACS

CN [2,4'-Bi-1H-imidazol]-5'-amine, 1'-(2-deoxy-5-O-phosphono-.beta.-D-erythro-pentofuranosyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 2 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN Thymidine, 3'-azido-3'-deoxy-, 5'-(methyl phosphonate) (9CI) (CA INDEX NAME)

L3 ANSWER 3 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[3-hydroxy-4-[(phosphonooxy)methyl]cyclopentyl]-, [1S-(1.alpha.,3.beta.,4.alpha.)]- (9CI) (CA INDEX NAME)

L3 ANSWER 4 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN Phosphonic acid, [[[4-(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)-2-hydroxycyclopentyl]oxy]methyl]-, (1.alpha.,2.beta.,4.alpha.)-(.-.-)- (9CI) (CA INDEX NAME)

L3 ANSWER 5 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN Guanosine, 2'-deoxy-, 5'-(hydrogen methylphosphonate) (9CI) (CA INDEX NAME)

L3 ANSWER 6 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN Phosphonic acid, [[[4-(6-amino-9H-purin-9-yl)-2,3-dihydroxycyclopentyl]oxy]methyl]-, [1S-(1.alpha.,2.beta.,3.beta.,4.alpha.)]- (9CI) (CA INDEX NAME)

L3 ANSWER 7 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN Adenosine, 2'-deoxy-, 5'-[hydrogen (hydroxymethyl)phosphonate] (9CI) (CA INDEX NAME)

L3 ANSWER 8 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN Adenosine, 2'-deoxy-5'-O-(phosphonomethyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 9 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-(2,5,6-trideoxy-6-phosphono-.beta.-D-erythro-hexofuranosyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 10 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN Phosphonic acid, [[[3-(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)-2-(hydroxymethyl)cyclobutyl]oxy]methyl]-, (1.alpha.,2.beta.,3.alpha.)- (9CI) (CA INDEX NAME)

L3 ANSWER 11 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 5'-Adenylic acid, 2'-deoxy-3-methyl- (9CI) (CA INDEX NAME)

L3 ANSWER 12 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN Adenosine, 2'-deoxy-3'-O-(phosphonomethyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 13 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 6H-Purin-6-one, 2-amino-9-[2,3-bis(hydroxymethyl)cyclobutyl]-1,9-dihydro-, mono(dihydrogen phosphate) (ester), [1S-(1.alpha.,2.beta.,3.alpha.)]- (9CI) (CA INDEX NAME)

L3 ANSWER 14 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN Guanosine, 2',3'-dideoxy-3'-(phosphonomethyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 15 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[2-(2-hydroxy-5-methoxy-1,3,2-dioxaphosphorinan-5-yl)ethyl]-, P-oxide (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,3,2-Dioxaphosphorinane, 6H-purin-6-one deriv.

L3 ANSWER 16 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 6H-Purin-6-one, 2-amino-9-[(hydroxymethyl)[(phosphonoxy)methyl]cyclobutyl]-1,9-dihydro-, [1R-(1.alpha.,2.beta.,3.alpha.)]- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN (+)-Cyclobut G monophosphate
 CN (R)-BHCG monophosphate

L3 ANSWER 17 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN Phosphonic acid, [[[3-(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)-2-(hydroxymethyl)cyclobutyl]oxy]methyl]- (9CI) (CA INDEX NAME)

L3 ANSWER 18 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN Thymidine, 3'-azido-3'-deoxy-, 5'-(hydrogen methylphosphonate) (9CI) (CA INDEX NAME)

L3 ANSWER 19 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 2,4(1H,3H)-Pyrimidinedione, 1-(3-azido-2,3,5,6-tetradeoxy-6-phosphono-.beta.-D-erythro-hexofuranosyl)-5-methyl- (9CI) (CA INDEX NAME)

L3 ANSWER 20 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[3-hydroxy-4-[(phosphonoxy)methyl]cyclopentyl]-, [1R-(1.alpha.,3.beta.,4.alpha.)]- (9CI) (CA INDEX NAME)

L3 ANSWER 21 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 1H-Purinium, 2-amino-6,9-dihydro-9-[[2-(2-hydroxy-1,3,2-dioxaphosphorinan-5-yl)oxy]methyl]-1,7-dimethyl-6-oxo-, inner salt, P-oxide (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:

CN 1,3,2-Dioxaphosphorinane, 1H-purinium deriv.

L3 ANSWER 22 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-
 [(phosphonooxy)methyl]-, [1S-(1.alpha.,2.alpha.,3.beta.,5.beta.)]-
 (9CI) (CA INDEX NAME)

L3 ANSWER 23 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-
 [(phosphonooxy)methyl]-, [1R-(1.alpha.,2.beta.,3.beta.,5.beta.)]-
 (9CI) (CA INDEX NAME)

L3 ANSWER 24 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-
 [(phosphonooxy)methyl]-, (1.alpha.,2.beta.,3.beta.,5.beta.)-(.+-.)-
 (9CI) (CA INDEX NAME)

L3 ANSWER 25 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 3'-Adenylic acid, 2'-deoxy-, monomethyl ester (9CI) (CA INDEX NAME)

L3 ANSWER 26 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 5'-Adenylic acid, 2'-deoxy-3'-O-methyl- (9CI) (CA INDEX NAME)

L3 ANSWER 27 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 5'-Adenylic acid, 2'-deoxy-, monomethyl ester (9CI) (CA INDEX NAME)

L3 ANSWER 28 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN D-erythro-Pentofuranoside, methyl 5-(6-amino-9H-purin-9-yl)-2,5-
 dideoxy-, 3-(dihydrogen phosphate) (9CI) (CA INDEX NAME)

L3 ANSWER 29 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 5'-Adenylic acid, 2'-deoxy-N-methyl- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN 6-Methylaminopurine deoxyriboside 5'-phosphate

L3 ANSWER 30 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 5'-Adenylic acid, 2'-deoxy-1-methyl- (9CI) (CA INDEX NAME)

L3 ANSWER 31 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-
 [(phosphonooxy)methyl]-, (1.alpha.,2.alpha.,3.beta.,5.beta.)-(.+-.)-
 (9CI) (CA INDEX NAME)

L3 ANSWER 32 OF 37 REGISTRY COPYRIGHT 1995 ACS
 CN 1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-(hydroxymethyl)-,
 1-(dihydrogen phosphate), [1R-(1.alpha.,2.alpha.,3.beta.,5.beta.)]-
 (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-(hydroxymethyl)-, 1-(dihydrogen phosphate), (1R,2S,3R,5R) - (8CI)

OTHER NAMES:

CN Aristeromycin 3'-phosphate

L3 ANSWER 33 OF 37 REGISTRY COPYRIGHT 1995 ACS

CN Adenosine, 3'-deoxy-3'-(phosphonomethyl)- (8CI, 9CI) (CA INDEX NAME)

L3 ANSWER 34 OF 37 REGISTRY COPYRIGHT 1995 ACS

CN 9H-Purin-6-amine, 9-(5,6-dideoxy-6-phosphono-.beta.-D-ribo-hexofuranosyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Adenine, 9-(5,6-dideoxy-6-phosphono-.beta.-D-ribo-hexofuranosyl)- (8CI)

OTHER NAMES:

CN 5'-Deoxy-5'-homoadenosine phosphonic acid

CN 6'-Deoxyhomoadenosine 6'-phosphonic acid

CN ACP

L3 ANSWER 35 OF 37 REGISTRY COPYRIGHT 1995 ACS

CN 1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-[(phosphonoxy)methyl]-, [1R-(1.alpha.,2.alpha.,3.beta.,5.beta.)] - (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-(hydroxymethyl)-, 5-(dihydrogen phosphate), (1R,2S,3R,5R) - (8CI)

OTHER NAMES:

CN Aristeromycin 6'-phosphate

L3 ANSWER 36 OF 37 REGISTRY COPYRIGHT 1995 ACS

CN 5'-Adenylic acid, 3'-deoxy-N-methyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Adenosine, 3'-deoxy-N-methyl-, 5'-(dihydrogen phosphate) (8CI)

L3 ANSWER 37 OF 37 REGISTRY COPYRIGHT 1995 ACS

CN Adenosine, 5'-(hydrogen methylphosphonate) (8CI, 9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Adenosine, 5'-methylphosphonate (7CI)

=> s C10H14N5O7P/MF

L4 101 C10H14N5O7P/MF

=> d his

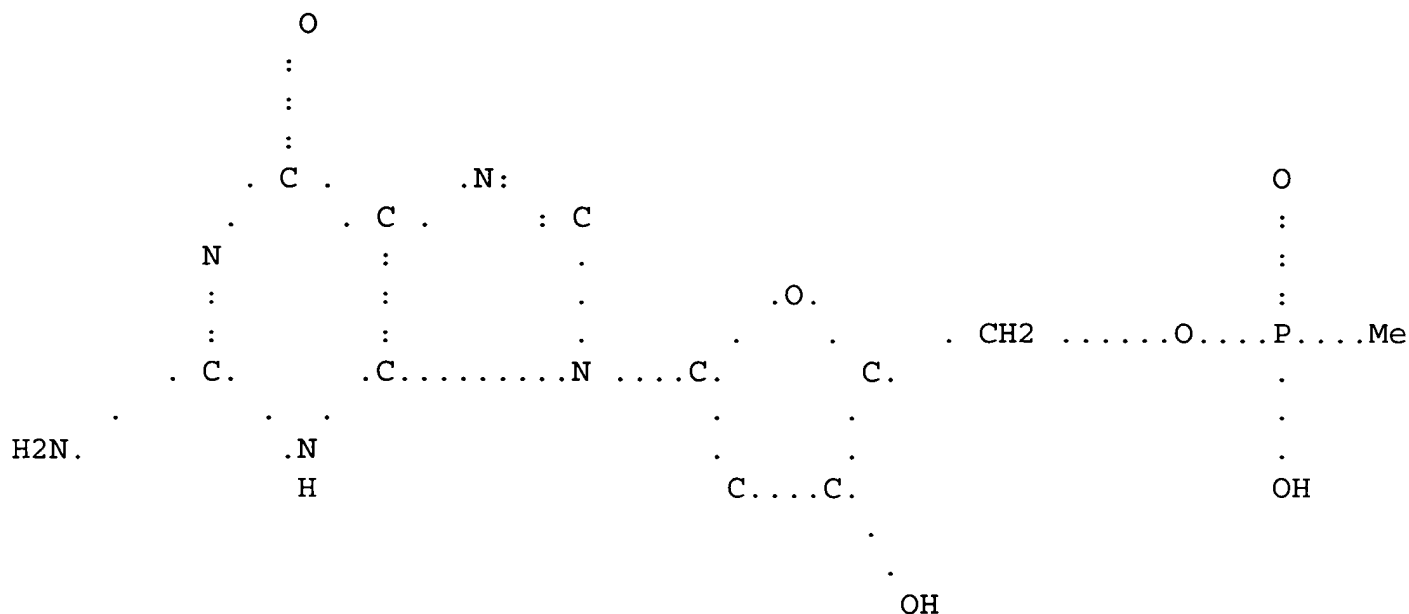
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FILE 'REGISTRY' ENTERED AT 16:34:43 ON 10 NOV 95

L1 0 S "GUANOSINE-5'-MONOPHOSPHATE"/CN
L2 0 S GUANOSINE AND MONOPHOSPHATE/CN
L3 37 S C11H16N5O6P/MF
L4 101 S C10H14N5O7P/MF

=> d L3 5,14

L3 ANSWER 5 OF 37 REGISTRY COPYRIGHT 1995 ACS
RN 153527-00-5 REGISTRY
CN Guanosine, 2'-deoxy-, 5'-(hydrogen methylphosphonate) (9CI) (CA
INDEX NAME)
MF ***C11 H16 N5 O6 P***
SR CA
LC STN Files: CA, CAPLUS
DES 5:B-D-ERYTHRO



2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 14 OF 37 REGISTRY COPYRIGHT 1995 ACS
RN 133272-12-5 REGISTRY
CN Guanosine, 2',3'-dideoxy-3'-(phosphonomethyl)- (9CI) (CA INDEX
NAME)

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Roles are now available from 1967 to date.

=> s L5

L7 1 L5

=> d L7

L7 ANSWER 1 OF 1 CA COPYRIGHT 1995 ACS
AN 115:72104 CA
TI Synthesis of 2',3'-dideoxy-3'-(phosphonomethyl)nucleosides,
phosphonate analogs of 2'-deoxy-3'-nucleotides
AU Morr, Michael; Ernst, Ludger; Schomburg, Dietmar
CS Ges. Biotechnol. Forsch. m.b.H., Braunschweig, D-3300, Fed. Rep.
Ger.
SO Liebig's Ann. Chem. (1991), (7), 615-31
CODEN: LACHDL; ISSN: 0170-2041
DT Journal
LA German

=> s L6

L8 2 L6

=> d L8 1-2

L8 ANSWER 1 OF 2 CA COPYRIGHT 1995 ACS
AN 121:134648 CA
TI 5'-Phosphonates of ribonucleosides and ribonucleotides: synthesis
and antiviral activity
AU Shirokova, E. A.; Jasko, M. V.; Shipitsin, A. V.; Krayevsky, A. A.;
Ostrander, M.; O'Hara, B.; Baron, P.; MacIow, K.; Polsky, B.
CS Engelhardt Inst. Mol. Biol., Moscow, 117984, Russia
SO Mol. Biol. (Moscow) (1994), 28(1), 224-32
CODEN: MOBIBO; ISSN: 0026-8984

DT Journal
LA Russian

L8 ANSWER 2 OF 2 CA COPYRIGHT 1995 ACS

AN 120:218379 CA

TI 5'-Phosphonates of ribonucleosides and 2'-deoxyribonucleosides:
synthesis and antiviral activity

AU Jasko, Maxim; Shipitsin, Alexander; Shirokova, Elena; Krayevsky,
Alexander; Polsky, Bruce; Baron, Penny; MacLow, Clarinda; Ostrander,
Michael; O'Hara, Brian

CS Engelhardt Inst. Mol. Biol., Moscow, 117984, Russia

SO Nucleosides Nucleotides (1993), 12(8), 879-93

CODEN: NUNUD5; ISSN: 0732-8311

DT Journal
LA English

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